



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of: **LE DINH, Chon Tam**

Attorney Docket No.: 13225-6US JEL

Serial No.: **10/731,120**

Group Art Unit: Unknown

Filed: **December 10, 2003**

Examiner: Unknown

For: **APPARATUS AND METHOD FOR ADAPTIVE SPATIAL SEGMENTATION-BASED NOISE REDUCING FOR ENCODED IMAGE SIGNAL**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office information listed on the enclosed PTO/SB/08A and PTO/SB/08B. Copies of all patent and non-patent citations are enclosed.

Should any fee be required in connection with the filing of this Information Disclosure Statement, the Commissioner is authorized to charge such fee to Deposit Account No. 195113.

Respectfully submitted,



Jonathan Pollack
Registration No. 49065
Telephone 416-340-6192
Fax 416-977-5239
jpollack@ogilvyrenault.com
Suite 1100, P.O. Box 11
Merrill Lynch Canada Tower
200 King Street West
Toronto, Ontario
Canada M5H 3T4

Date: March 4, 2004

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
-------	---	----	---

Application Number	10/731,120
Filing Date	12/10/2003
First Named Inventor	LE DINH, C
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	13225-6US

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)			
		WO 02/01855 A	01-03-2002	Le Dinh Chon Tam	abstract

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known			
		Application Number	10/731,120		
		Filing Date	12/10/2003		
		First Named Inventor	LE DINH, Chon Tam		
		Art Unit	Unknown		
		Examiner Name	Unknown		
Sheet 1	1	of	1	Attorney Docket Number	13225-6US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		SUN X Z et al: "Adaptive Filters Based on Local Estimates". 1988 IEEE International Symposium on Circuits and Systems. Proceedings (Cat. No. 88CH2458-8), Espoo, Finland, 7-9 June 1988, pages 2549-2552 vol. 3, XP01069435 1988, New York, NY, USA, IEEE, USA. Abstract.	
		LEE Y-L et al: "Loop Filtering and Post-Filtering for Low-Bit-Rates Moving Picture Coding". Signal Processing. Image Communication, Elsevier Science Publishers, Amsterdam, the Netherlands, vol. 16, no. 9, June 2001, pages 871-890, XP004245273. ISSN: 0923-59652. Page 883, para. 3.3.2.	
		BHASKAR RAMAMURTHI et al: "Nonlinear Space-Variant Postprocessing of Block Coded Images". IEEE Transactions on Acoustics, Speech and Signal Processing, IEEE Inc. New York, U.S., vol. 34, no. 5, 1 October 1986, pages 1258-1268, XP00349257. ISSN 0096-3518. Whole document.	
		LEE J-S: "Digital Image Smoothing and the Sigma Filter". Computer Vision Graphics and Image Processing, Academic Press, Duluth, MA, U.S., vol. 24, 1983, pages 255-269, XP000199489. Whole document.	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.